### **INDEX**

By section number

### A

A, use group, assembly, 303.0

#### Access

Attics, 1211.2 Courts, 1212.4 Crawl spaces, 1211.1 Roofs, 1027.0

Accessibility, 780 CMR 11

### Accessory structures

Definition, 202.0, 3602.2

Use Group U, utility and miscellaneous, 312.0

### Adjoining property

Demolition and excavation, 3310.0 Existing buildings, 3309.0 Fences, 3311.0 Grade control, 3310.4 Notice to owners, 3310.1 Protection of, 3308.0 Storage of materials, 3312.0

### Adjoining spaces

Natural light, 1206.0 Natural ventilation, 1208.0

#### Administrative

Administration, Chapter 1, 3601.0 Alternate materials and methods, 109.3 Application for permits, 106.2 Board of appeals, 122.0 Building classified by code official, 302.1 Certificate of occupancy, 120.0 Code official approves plans, 109.0 Code official, definition, 202.0 Conditions of permit, 111.0, 113.0 Drawings and specifications required, 110.8 Existing structures, 102.5 Foundation permits, 108.7, 111.13 Inspections required, 115.0 Inspectors appointed, 105.1 Liability, 105.7 Maintenance of buildings, 103.1, 3401.2

Organization of building department, 105.0

Permit fees, 114.0

Permits required, 110.1, 110.2
Powers and duties of code official, 105.0
Records of department, 105.8
Requirements not in code, 102.2, 102.3
Restrictions on employees, 105.6
Revocation of permits, 111.12
Scope of code. 101.2
Stop work orders, 119.0
Tests and test reports, 1708.0
Unsafe structures,121.0
Validity of code, 104.0
Violations and penalties, 118.0

### Aged, homes for

Use Group I, institutional, 308.0

### Aggregates

Concrete, 1906.3 Masonry, mortar and grout, 2105.0 Special tests, 1906.3.1

Air ducts (see Ducts)

### Air intakes

Combustion, 3620.0 Courts, 1212.5 From attic areas, 3620.3, 3620.3.3 From under floor areas, 3620.3, 3620.3.4 Return, 3619.2 Supply, 3619.3

Air plenum (see Plenums)

Airplane hangars (see Garages)

Airport traffic control towers, 414.0

### Air-supported structures

Membrane structures, general, 3103.0 Temporary, 3104.0

### Aisles

Assembly, Use Group A, 1011 .3, 1012.0 Exit access, other use groups, 1011.0 Illumination, 1024.0

Alarm systems (see Fire protection systems)

### THE MASSACHUSETTS STATE BUILDING CODE

Allowable areas and heights of buildings (also see Areas,

building)

Existing buildings, 3400.3

General, 503.0, Table 503

Unlimited areas, 507.0

### Allowable spans

Floor joists, 3605.2.3.1

Headers, 3606.2.6

Rafters and ceiling joists, 3608.2.4

### Alloys

Aluminum, 2002.1

Special steel, 2207.1

#### Alterations

Additions, 3404.2, 3408.2.3, 3408.4

Area and height limitations, 3404.9

Certificate of occupancy, 120.0

Definition, 202.0

Existing buildings, 3400, 3404.0

Inspections, 115.0

Light and ventilation in existing buildings, 3400.6

Minor changes, 3404.1

Nonstructural alterations and repairs, 3401.2

Permit fees, 114.0

Permit required, 111.0

Signs, 3102.4.2

Structural alterations and repairs, 3404.0

### Alternative materials and construction

Approved by code official, 109.0, 3601

Board of appeals, 122.0

Suitability of, 1707.1

Aluminum alloys, 2002.0

Amendments to plans, 110.12, 110.13

**INDEX** 

Anchorage, anchors

Flood-resistant construction, 3107.5.2 Framing into girders, 2305.6.1 Intersecting masonry walls, 2111.2 Masonry, general, 2110.0, 2111.0 Masonry, general, 405.5

Masonry, veneer, 1405.5 Metal veneers, 1405.4.1 Projecting masonry, 2112.0 Wood, sill, 2305.16

Antennas, radio and television, 3109.0

Apartment house (see Multiple dwellings)

Appeals, board of, 122.0

Application for permit

Action by code official on application. 111.1

Application form, 110.4 Awnings, 3205.0,

Conditions of permit, 113.0 Drawings required, 110.8

For demolition of buildings, 112.0 Foundation permits, 108.7, 111.13

Moving buildings, 3407.1

Permit fees, 114.0

Plot diagram required, 107.6 Records to be kept, 105.8

Registered architect or engineer, 107.3

Signs, 3102.4

Swimming pools, 421.3 Temporary structures, 3104.0 What required, 110.0, 111.0 When required, 110.0, 111.0

Appointment of code official, 105.1

Approval

Alternative materials and methods of construction,

109.3

Certificate of occupancy, 120.0 For use of plastic material, 2601.3

General, 106.0 Inspections, 115.0 Materials, 1704.0 Modifications, 106.2 Moving buildings, 3407.0 Of plans for permit, 108.5

Used materials, 109.2

Approved, definition, 202.0, 3602.2

Approved agency Criteria, 1704.3.1 Definition, 202.0

Architect

Report, permits issued, 116.4

Drawings and specifications, by, 110.8 Special professional services, 116.2

Architectural trim (see Exterior trim restrictions)

Areas, building

Allowable areas for buildings (also see Allowable areas and heights of buildings), 503.0, Table 503, 3408.6.2

Allowable, required reductions of, 506.4, Table 506.4

Definition, 202.0

Existing buildings, 3404.1 Floor area, definition, 202.0 General area limitations, 503.0 Increase for street frontage, 506.2 Increase for suppression, 506.3

Mezzanines, 505.2

Modifications, 506.0, 506.4 Open parking structures, 406.4

Separate buildings, 313.1.3, 503.1, 402.16

Special industrial uses, 503.1.1 Unlimited areas, 507.0 Waiting rooms, 409.2.1

Areaways, 3203.12.1

Artificial light, 1207.0, 1024.1

Asphalt roof shingles, 1507.2.3, 3609.3

Assembly buildings

Aisles, 1 012.0 Area allowed, 503.0 Classification of, 303.0

Determining capacity of means of egress, 1009.0 Fire suppression requirements, 904.0, 914.0

Occupancy load requirements, 1008.0

Stages and platforms, 412.0 Use Group A, 303.0

Atriums, 404.0

### THE MASSACHUSETTS STATE BUILDING CODE

High-rise buildings, 403.2, 403.3 Limited area systems, 907.0 Attic Plans and specifications (construction documents), Access, 1211.2 903.1 Combustion air, 3620.3.3 Definition, 202.0 System selection, 905.0 Draftstopping, 720.7.2 Water sprinkler systems, 906.0 Where required, 904.1 Furnaces, insulation in, Insulation, exposed, 722.2 Ventilation of, 1210.1 Automobiles, parking Open parking structures, 313.2, 406.0 Private garages, 202.0, 407.0 Auditoriums Foyers and waiting spaces, 1006.2.4 Public garages, 202.0, 402.16, 408.0 Means of egress, 1006.2.2 Use Group A-1, assembly, 303.2 Awnings Use Group A-3, assembly, 303.4 Clearance, 3205.0 Covers and boxes, 3203.10 Automatic fire detection systems (see Detection systems, Fixed, 3205.3 automatic fire) Loads, 1609.0 Moveable, 3205.2 Automatic fire suppression systems (also see Sprinklers) Over public property, 3203.9, 3205.1 Atriums, 404.2 Permit for, 3205.1 Carbon dioxide systems, 909.0 Plastic, 2604.8 Covered mall buildings, 402.10 Retractable, 3205.2 Dry-chemical systems, 910.0 Foam systems, 911.0 General, 901.0 Halogenated systems, 912.0 Details of reinforcement, 1910.0, 1911.4 B Reinforcing steel, 2208.0 B, use group, business, 304.0 Basement Dampproofing, 1813.0 Balcony Definition, 202.0 Exits, 1006.2.2 Enclosure of stairways, 1014.11 Exterior balconies, 3203.8 Fire suppression system required, 904.10 Exterior construction of, 1406.4 Floors above, protection of, 1006 3.1 Live loads, 1606.0 Ratproofing, 1215.0 Over public property, 3203.8 Required exits, 1010.2 Permissible street projections, 3203.8 Stairway construction 1014 Railings, 1012.8, 1021.4, 1615.5 Underground structures, 405.0 Steps, 1012.0 Waterproofing, 1813.0 Banner and cloth signs, 3102.12.1 Bathrooms Light and ventilation, 1205.0 Barricades Mechanical ventilation allowed, 1205.2 Construction, where required, maintenance, 3304.2, Window area required for, 1208 2 3310.1 Bay window (also see Windows, bay) Bars, reinforcing

Construction of, 1406.5

Clear cover in concrete footings, 1810.3.2

**INDEX** 

Over public property, projection, 3203.7

Seismic, 1903.0, 1904.0, 2104.0. 2204.0, 2305.8, 2306.0

Beams

Bottom flange protection, 715.6

Fireresistance, rating of, Table 602, 715.0 Fireresistance, reinforced concrete, Table 602

Reinforced concrete 1901. Steel, formed, 2206.0 Steel, structural, 2203.0

Structural, glued-laminated, 2307.1

Supports, 3605.2.4 Wood, 2303.0, 2305.0

Wood in heavy timber construction, 2304.0

Bearing (Loadbearing)

For wood beams and girders, 2305.6.1, 2305.6.3 On hollow masonry units. 1812.3.3. 2112.1.2.2

Bearing partitions (see Walls)

Bearing, soil capacity, 1804.0

Bearing walls (see Walls)

Bleachers, 1013.0

Blocks concrete masonry units (see Masonry)

Board and care facilities (see 1, use group, institutional)

Board of appeals, 121.0

Boarding houses (see Residential buildings)

Bond, masonry

Foundation walls, 1812.3.5 Masonry veneers, 1405.5 Masonry walls, 2110.0, 2111.0

Borings and tests of soils, 1802.0, 1803.0, 1804.0

Bracing

Adjoining existing buildings, 3309.3

Exterior stud walls, 2305.7

For stud walls and partitions, bearing, 2305.4.2

Masonry walls, lateral, 2108.0

Brick (see Masonry)

**Bridges** 

Over sidewalks (wrecking), 3304.3 Pedestrian walkways, 3106.0

Bridging, wood floors, 2305.14.2

Building

Allowable areas and heights, 503.0, Table 503 Alterations of existing buildings, 3400.0, 3404.0

Ceiling height, 3603.8

Certificate of use and occupancy, 120.0

Change in use, 3400.3

Classified by type of construction, 602.1 Classified by use or occupancy, 302.1 Construction precautions, Chapter 33

Definition, 202.0
Design criteria, 3603.1
Doors, 3603.11
Exits, 3603.10

Flood resistant, 3107.0

Garages, 3603.5

General limitations, Chapter 5

Glazing, 3603.20

Height, definition, 202.0 Height modifications, 504.0

Heights, allowable, 503.0, Table 503, 504.0, 507.1

High-rise, 403.0 Historic, 3409.0 Maintenance, 103.0

Permissible street projections, 3203.0

Room dimensions, 3603.7 Stairways, 3603.13 Temporary, 110.2

Two or more on same lot, 503.1.3, 1201.2

Unlimited area, 507.0

Unsafe, 121.0

Building department

Annual report, 105.5.1

General, 1 05.0 Records, 106.7

Building official (see Code official), 202.0

# 780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS THE MASSACHUSETTS STATE BUILDING CODE

Building paper, 1405.3.6

Building permits (see Permits)

Business buildings, Use Group B, 304.0

 $\mathbf{C}$ 

Caisson piles, 1824.0

Calculations required, 110.8

### **INDEX**

Canopies

Construction, 3105.0, 3205.4

Loads, 1609.6.2

On exterior walls, 3205.4

Over public property, 3205.1

Carbon dioxide extinguishing system (see Automatic fire

suppression systems)

Cast iron, 2209.0

Cast stone

Bonding, 2110.0

General requirements, 2105.3

Cavity walls

Definition (see Walls), 202.0, 3606.6

Ceilings

Finishes, 3608.5

Fireresistance rated assemblies, 713.0

Height 1204.0, 3603.8

Panels, 713.1.1

Plenums, 2805.0

Cellar (see Basement)

Cement

Concrete, materials, mixes, 1906.0

Stucco, 2506.0

Water-cement ratio, 1908.2

Central-station system

Definition, 202.0

Fire suppression system supervision, 923.1

Ceramic tile

Mortar, types and mix, 2105.10

Veneers, 1405.5

Certificate of occupancy

Definition, 202.0

Existing buildings, 120.2, 120.3, 120.4

General, 120.1

Temporary occupancy, 120.3

Change of use, 202.0, 3400.0, 3405.0

Changes in plans, 110.1

Changes to buildings

Alterations, 3400.1, 3404.0

Existing, 3400.1

Rehabilitation, 3400.1, 3404.0

Chases (see Masonry)

Chemicals

High-hazard use group, 307.0

Child day care center

Use Group E, 305.0

Use Group 1-2, 308.3.1

Use Group R, 310.5.1

Chimneys

Chimneys and fireplaces, 3610.0

Clearance, 3610.2.14

Crickets, 3610.2.16

Design, 3610.0

Factory Built, 3610.3

Firestopping, 3610.2.15

Flue lining, 3610.2.7, 3610.2.8

Load, 3610.2.4

Masonry,

Multiple flue, 3610.2.9

Support, 3610.2.1

Termination, 3610.2.5

Wall thickness, 3610.2.6

Churches

Use Group A-4, assembly, 303.0

Chutes

Linen and refuse, 2807.0

Classification

Of buildings, by code official, 302.1

Of buildings, by occupancy, 302.0

Of buildings, by types of construction, 602.0

Of types of construction, 603.0, 604.0, 605.0, 606.0

Clay tile

General, 2105.0

Veneer, 1405.0

Clearances

### THE MASSACHUSETTS STATE BUILDING CODE

Around concrete reinforcing, 1810.3.2

Around fireplaces, 2114.6

Around timber in masonry, 2305.6.3

Awnings, movable, 3203.9, 3203.10, 3205.2

Marquee awnings, 3203.11

Minimum ceiling heights, 1204.0

Of balconies above grade, 3203.8

Of wood above grade, 2311.4.2

Projection over sidewalks, 3203.0

Under first floor joists, 1210.2

Flameresistance tests, 807.2 Insulation, 707.4, 722.0 Interior trim, 803.5

Permitted in noncombustible construction, 602.4, 806.0

Compliance with permit, 113.3

Computations, required, 107.7

Coal pockets, 418.3.1.6

### Code official

Appoints inspectors, 105.1

Charge of building department (duties and powers),

106.1

Classifies building, 302.1

Definition, 202.0

Deputies, 104.4

Duties and powers of, 105.0, 106.0, 110.0

Inspections by, 106.4, 115.0

Issues permits, 105.0, 106.2, 108.0

Liability, 105.7

Record of permits required, 105.8

Records, official, 105.8

Reports, 105.5

Rule-making authority, 108.1

### Columns

Cast-iron construction, 2209.4.1

Concrete-filled pipe, 1912.0

Fireresistance and protection of, Table 602, 715.0

Fireresistance tests, 704.0

Heavy timber construction, 605.1, 2304.0

Live load reduction, 1608.0

Working stresses, cast iron, Table 2210.2

### Combustibility tests, 704.7

### Combustible

Dusts, grain processing and storage, 307.4, 418.3.1

Fibers, 307.5

Liquids, 307.4, 418.3.2

### Combustible materials

Decorative material restrictions, 807.0

Definition, 202.0

Exterior trim restrictions, 1406.0

### **INDEX**

Concealed spaces, 605.1, 720.6.1, 720.7.2, 722.3 Steel, 2203.0, 2205.0, 2206.0, 2207.0, 2209.0, 2210.0 Types of construction, 603.0, 604.0, 605.0, 606.0 Wall, 3606.0 Concentrated loads, 1613.0 Wood, 2305.0 Concrete Aggregates, 1906.3 Construction operations Caissons, 1824.0 Demolition, 3310.0 Cementitious material, limitations, 1907.1.2.2 Excavation, 3310.0 Columns, concrete-filled pipe, 1912.0 Existing buildings, 3309.0 Definition, 202.0 Fire hazards, 3305.0 Ducts, 3619.1 General, 3301.0 Floors (on grade), 3605.5 Lighting, 3315.0 Footings, 1810.0 Retaining walls, 3311.0 Minimum dimensions, 1905.0 Storage, materials, 3312.0 Piles, 1818.0, 1819.0, 1820.0, 1821.0 Pipes in, 1909 3 Conveyors, 3010.0 Plain concrete, 1901.2, 1904.0 Reinforced (also see Reinforced concrete), 1901.1, Cooling towers 1510. 1910.0 Shingles, 3609.6 Coping Flashing, 1405.3.10 Shotcrete, 1911.0 Units (also see Masonry), 2105.1 On retaining walls, 1825.4 Weathering, 3604.2.2 Corbeling Concrete, masonry blocks (see Blocks, concrete masonry Foundation walls, 1812.5 units) Masonry, 2112.2 Condensation, 1210.0, 1405.3.10 Cornices Masonry, 2112.2.1 Condition of permits, 113.0 Projections, 3203.3 Type of construction, 1406.0 Construction Approval of materials, etc., 109.0, 1704.0 Corridors Basement walls, 3604.4 Arrangements, 1006.2, 1011.1 Cavity wall masonry, 3606.6 Capacity of egress width, 1009.0 Classification of construction materials, 1707.0 Dead ends, 1011.2 Concrete, 1908.0 Definition. 202.0 Covered by code, 102.0 Fireresistance ratings, Table 602 Fences, 3304.2 Height, 1204.1 Footings, 3604.3 Obstructions, 1011.1 Foundations, 3604.0 Prohibited use, 1005.0 General requirements, 602.0, 1701.0 Widths, 1009.2, 1011.3 Grouted masonry, 3606.7 Inspection, 115.0, 1705.0 Courts Masonry, 2112.0, 3606.4 Definition, 1202.0 Metal, 3608.4 General, 1212..1 Reinforced hollow masonry, 3606.7.4 Obstructions, 1213.0 Roof-ceiling, 3608.0 Permissible encroachments, 1213.2

Stage, 413.2

### THE MASSACHUSETTS STATE BUILDING CODE

Covered mall buildings

Definition, 402.2

General, 402.0

Smoke control systems, 921.1

Design, 1605.0

Decisions of board of appeals, 122.4

### Coverings

For exterior stairs, 1014.12 For exteriors, weather protection, 1405.2.1, 3607.3 Interior finishes, 803.0, 3607.2 Roofs, Chapter 15, 3609.0 Wall, 3607.0

### Crawl spaces

Foam plastics, 2603.4.1.4 Plenums, 2805.1 Ventilation, 1210.2, 3604.9 Waterproofing, 1813.1.2, 3604.9.1

Curtain boards, 922.3

### Curtain wall

Ratproofing, 1215.0

### Curtains (also see Decorations)

Atrium separations, sprinkler obstructions, 404.5 Decorative material restrictions, 404.3, 807.1 Proscenium, 412.3.6

# D

### **Dampers**

Fire, accessibility, 717.3 Fire, approved type, 717.1 Fire, definition, 202.0 Where required, 717.2

Dampproofing 1813.0

### Dance halls

Use Group A-2, assembly, 303.2

Dangerous structures, 121.0

Day care facilities (see Child day care center)

### Dead loads

Decay, 3603.22 Definition (see Load), 202.0

**INDEX** 

Decorations (also see Interior finish and trim)

Atriums, 404.3

Curtains, 404.5, 412.3.6, 807.1 Flameresistance tests, 807.2

Restrictions, 807.1 Stages, 412.3.5.1

Decorative features
Projections, 3203.4

Definitions, 202.0

Deflection criteria, 604.5.1, 709.3.2, 2308.2.6

Demolition

General, 112.0

Permit, when required, 112.1 Standpipes maintained, 3305.3.4 Unsafe buildings, 121.0, 121.5

Depth of footings

Governed by frost line, 1806.1 Governed by loading, 1805.0

Design

Approved by code official, 1704.1 Cast-in-place concrete piles, 1820.0

Composite piles, 1823.1 Dead load, 1605.0

Fire protective requirements (see Fire protection

systems)

Formed steel construction. 2206.1

Foundation walls, 1812.1

General 1601.0

Glass, glazing, 2402.0, 2403.0 Live loads, 1606.0, 1607.0

Lumber and timber construction, 2303.1 Masonry wall construction, 2101.0

Plain concrete, 1901.2 Plastics, 2603.0

Precast concrete piles 1821.1 Proscenium curtains, 412.3.6 Reinforced concrete, 190.1 Retaining walls, 1825.2 Safe load, 1604.0

Seismic (earthquake), 1612.3 Signs, general requirements, 3102.6

Special steels, 2207.1

Steel pipe and tapered tubular piles, 1819.0

Wind loads, 1611.0

Detection systems, automatic fire (also see Fire protection

systems)

Airport traffic control towers, 414.3

Approval, 918.3 Atriums, 404.6 Definition, 202.0

General requirements, 918.0 High-rise buildings, 403.4 HPM facilities, 416.9.2 Plans and specifications, 918.2

Sprinklered buildings exception, 918.5

Use Group 1-2, 409.5.1 Where required, 918.4

Zones, 918.6

**Deviations** 

From code, 109.3

Devices for window cleaning, 3110.0

Display of permit, 111.14

Doors

Air-supported structures, 3104.8 Approved type, fire, 716.1, 716.2 Arrangement, 1006.2, 1017.2.3 Automatic-closing devices for, 716.5

Bolts, surface, 1017.4.1.1

Corridors 409.3.1, 1011.1.3, 1011.4.2

Egress, means of, 1017.0 Exterior walls, 706.4 Fire (see Fire doors) Fire partitions, 711.0

Fire separation assemblies, 709.0

Fire walls, 707.0

In horizontal exits, 1019.2 Location of, 1006.0, 1017.4 Panic hardware, 1017.4.2 Power operated, 1017.4.3 Rated fire door assemblies, 716.1 Required to open out, 1014.8.2, 1017.4

Revolving, 1018.0

Stairways, exterior, 1014.12 Stairways, interior, 1014.8, 1014.11

Security grilles, 1017.5 Signs, 1017.4.1, 1017.4.1.2

### THE MASSACHUSETTS STATE BUILDING CODE

Smokeproof enclosures, 1015.4.1, 1015.5.1. 1015.5.2, 1015.6.1 Stages, 412.3.4 Use Group 1-2, 409.3.1 Use Group 1-3, 410.3, 410.4 Width of, 1017.3 Wired glass in, 719.2

Dormers, 1510.6

### **Dormitories**

Definition (see Dwellings), 202.0 Use Group R-1, residential, 310.0

Doubtful use classification, 302.1

### Downspout

For roofs, 3203.11.3 Materials, 1406.0

### Draftstopping

Definition, 202.0 General, 720.0

### Drainage

Foundation systems, 1813.5 Marquees, 3203.11.3

Dressing rooms (see Theaters)

Dry cleaning plants General, 418.3.4 Use group classification, 306.0

Drying rooms, 2806.0

Drywall (see Gypsum board)

### Ducts

Fire dampers required in, 717.0 Firestopping openings, 720.6.4

Dumbwaiter

Definition, 202.0

Dusts, combustible, 307.2, 418.3.1

**INDEX** 

Duties Signs for exits, 1023.0 Of board of appeals, 122.0 Of code official, 106.0 Emergency electrical systems (also see Standby power **Dwellings** systems) Area and height limitations, general, 503.0, Table 503 High-rise buildings, 403.9.3 Ceiling height, 1204.1 Definition, 202.0 Emergency measures Fire partitions in, 310.5, 711.4 Closing streets, 121.5 Floor area, minimum, 1204.2 Cost of emergency repairs, 121.5 Use Group R, residential, 310.0 Emergency repairs, 121.2,121.4 Temporary safeguards, 121.3 Vacating structures, 120.1  $\mathbf{E}$ Employees, restrictions on, 105.6 E, use group, educational, 305.0 Enclosure Earthquake (seismic) design For elevators, 3007.1.1 Concrete, 1903.0, 1904.0 For interior stairs, 1014.11 Foundations, 1810.2.1, 1815.2.1, 1816.3, 1816.7.1, For motion picture projection rooms, 411.2 1816.11.1, 1818.3 1819.3, 1820.1.2, 1820.5.4, Of exterior stairways, 1014.12 1821.3.5, 1821.3.6, 1824.3 Ramps, 1016.0 Inspection related to 1705.3.3.2, 1705.4.5, 1705.9, Shafts, 710.0 1705.10, 1705.11 Loads, 1612.0 Enclosure walls (see Walls) Masonry, 2101.2, 2104.0 Soils, 1802.1.1, 1805.2, 1805.3 Encroachments Steel, 2203.2, 2203.2.1, 2204.0, 2206.3, 2207.2.1 Awnings and canopies, 3203.9 Wood, 2305.8, 2305.9, 2306.0 Court, 1213.0 Existing, 3202.6 Eaves General, 3201.0 Construction, 1406.0 Special and temporary, 3204.0 Draftstopping, 720.7.2 Street, 3202.0 Projection, 3203.0 Yard, 1213.0 Educational buildings, Use Group E, 305.0 Energy conservation Alternative systems, 1316.0 Egress (see Means of egress) Exceptions, 1301.4 Exterior envelope requirements, 1309.0, 1314.0 Electrical equipment and systems, Chapter 27 General, 1300.0 In electrical distribution systems, 1312.0 Elevated walkways, 3106.0 In mechanical systems, 1310.0, 1311.0 In water heating systems, RESERVED Elevators, 3000.0 Plans and specifications, 1303.0 Emergency Enforcement of code, 106.0 Controls, proscenium curtains, 412.3.6.4 Escape, 1010.4

Engineering calculations, 107.7, 110.8

Lighting, 1024.0

# 780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS THE MASSACHUSETTS STATE BUILDING CODE

Engineering practice, 116.0

Exterior opening, protection required, 706.0

Escalators, 1006.6, 3001.0

Exterior stairways, 1014.12

**Excavations** 

Protection of, 3310.0

Protection of adjoining property, 3308.0 Walkways over, 3304.3

Exterior trim restrictions, 1406.0, 705.1.2

Exhaust systems

Contaminants to outdoor air, 1208.3

Spray spaces, 419.2

Existing buildings

Additions, alterations, repairs, Chapter 34

Areas, allowable, Table 503, 3404.9

Certificate of occupancy, 120.0

Change in existing use, 3405.0

Change of occupancy, 3405.0

Condemnation of, 119.1

Continuation of, 102.2

Definition (see Building), 202.0

Demolition, 112.0

General requirements, 3400.1

Inspection of, 106.4, 106.5, 115.0

Moving, 102.5.6, 3407.0

Nonstructural alterations and repairs, 3404.4

Protection during construction operations, 3304.0

Roof coverings, 1512.0

Unsafe, 121.0

Existing electrical installations, 2708.0

Existing signs, 3401 0

Exit lights, 1023.0, 1024.0

Exit signs, 1023.0

Exits (see Means of egress), 3603.10

Expiration of permit 111.7

Explosion hazards, 307.3, 417.5.1

Exterior envelope

Definition, 202.0

Requirements, 1301.0,1305.0, 1309.0. 1314.0

**INDEX** 

Exterior walls

Fireresistance ratings, 507.2, Table 602, 705.0 General, Chapter 14

Extinguishers, fire, 920.0

F

F, use group, factory and industrial, 306.0

Faced (veneered) walls (see Walls)

Factory buildings

Use Group F, factory and industrial, 306.0 Use Group H, high-hazard, 307.0

**Fasteners** 

Roof construction, 1505.2, 1507.0 Schedule, Table 2305.2 Weather coverings, 1405.3.7 Wood construction, 2305.2

Fees

For demolition, 112.2
For moving of buildings, 112.2
For new construction and alterations, 114.3
For signs, 112.2
General, 114.0
Payment of, 113.1
Refunds, 112.5
Schedule, 114.3.1
Special, 114.2

Fences

Excavations, 3310.0 For construction purposes, 3304.2 General requirements, 3311.0 Use Group U, 312.0

Film

Projection rooms, 411.0 Storage and use of flammable film, 411.1

Finish, interior (see Interior finish and trim)

Fire

Alarm system (see Fire protection system) Area, definition, 202.0 Dampers, 717.0

Firestopping, 202.0, 720.0

Hydrants, 916.0

Sprinklers and standpipes, 904.0, 906.0, 914.0, 915.1

Fire department

Central control station for, 923.0 Connections, 915.0, 915.2

Fire detection systems, 918.0

Fire doors

Closing devices, 716.5 Corridors, 1011.4.2

Definition (see Doors), 202.0 Dressing rooms, 412.5.2

Exterior walls, 706.0 Fire partitions, 711.3

Fire separation walls, 709.3

Fire walls, 708.3 General, 704.3, 716.0 Horizontal exits, 1019.2.1 Proscenium walls, 412.3.5

Shafts, 710.3.1 Smoke barriers, 712.3 Stage enclosures, 412.3.4

Stairways, 1014.9

Wired glass, 716.4, 719.0

Fire escapes

General, 1025.0

Maintenance of. 1028.0

Fire extinguishers, 920.0

Fire protection systems

Area increased by, 506.3

Automatic fire detection systems, 918.0

Automatic fire detection, where required, 918.4 Carbon dioxide extinguishing system, 909.0

Design, 903.1.3

Dry-chemical extinguishing system, 910.0

Fire department connection, 915.0 Foam-extinguishing system, 911.0

General requirements, 901.0

Halogenated fire-extinguishing system, 912.0

Height increased by, 504.2

Limited area sprinkler system, 907.0 Manual fire alarm system, 917.0

### THE MASSACHUSETTS STATE BUILDING CODE

Manual fire alarm system, where required, 917.4

Nonrequired systems, 901.3

Outside sprinklers, 706.2

Plans and specifications, 903.0

Smoke control systems, 921.0

Standpipes, where required, 914.2

Supervision, 923.0

Suppression system selection, 905.0

Temporary standpipe requirements, 3305.3

Water-spray fixed systems, 908.0

Water sprinkler system, 906.0

Where required, 904.1

Yard hydrants 916.0

Fire pumps, power source, 403.9.1.3

Fire separation distance, 202.0, 507.1, Table 602, 705.0

Fire shutters, 718.0

Fire suppression system (see Automatic fire suppression systems)

Fire towers (see Smokeproof enclosure), 1015.0

Fire walls, 707.0

Fire windows, 718.0

Fireplaces, 2114.0, 3610.0

Fireresistance ratings

Assemblies, Table 602, 704.0

Definition, 202.0

Exterior opening protectives, 706.0

Exterior walls, 705.0

Fire dampers, 717.0

Fire doors, 716.0

Fire partitions, 711.0

Fire separation walls, 709.0

Fire wall openings, 708.0

Fire walls, 707.0

Fire windows, 718.0

Floor construction, 709.0, 713.0

General, 701.0

Plans and specifications, 703.1

Roof construction, 714.0

Shafts, 710.0

Smoke barriers, 712.0

Special requirements, 504.6, 504.7

Structural members, 715.0

Tests, 704.0

### **INDEX**

Fireresistance ratings of structure elements, Table 602 Theater stages, 412.3.1 Wood panel sheathing, 2307.3.1 Fireretardant-treated wood Labeling, 2310.2.2 Floor openings Strength modifications, 2310.2.1 Atriums, 404.0 Tests, 2310.2 Public garages, 408.3.3 Use limitations, 2310.1 Shaft enclosure exceptions, 713.3 Floor surface at doors, 1017.1.1 Firestopping Architectural trim, 720.6.5,1406.2.4 Between wood sleepers, 806.2 Foam-extinguishing systems, 911.0 Definition, 202.0 Floor/roof ceiling assemblies, 720.0, 720.7.1, 3606.2.7 Foam plastics General requirements, 720.0, 720.1 Diversified tests, 2603.8 Of attic spaces, 720.0, 720.7.2 Exterior walls, 2603.4.1.8 General, 2603.1 Insulation, 722.0, 2603.4.1.5 Flag poles, 1510.1 Interior finish and trim, 804.3.1, 2603.7 Flameresistance Labeling, 2603.2 General, 807.2 Prescriptive installations, 2603.4.1 Interior floor finishes, 805.0 Interior hangings and decorations, 807.0 **Footings** Interior trim, 803.5 Allowable loads, 1804.0, 1805.0 Interior wall and ceiling finishes, 803.4 Concrete, design, 1810.0, 3605.2 Tests, 807.2.2 Depth, 1806.0 Design, 1807.0 Textile wall coverings, 803.6 Forming, 1810.6 Frost Protection 1806.1 Flammable liquids, 307.0, 417.0, 418.0 Masonry, 1811.0 Flashing, 1405.3.10 Prepared fill, 1705.7 Reinforced concrete, 1810.3.2 Floodproofing, 3107.0 Soils report, 1804.1 Steel grillage, 1809.0 Floor Timber, 1808.0 Area, 503.0, Table 503, 506.0, 507.0 Assemblies, construction, 713.0 Formed steel construction, 2206.0 Combustible materials permitted in Types 1 and 2 construction, 602.4, 806.0 Foundation systems Concrete, 3605.5 Allowable loads, 1805.0 Metal, 3605.6 Caissons, 1824.0 Cripple walls, 3606.2.8 Treated-Wood, 3605.4 Wood, 3605.2 Design, 1812.1 Footings (see Footings) Floor For neighboring building, 3310.2 Area, definition, 202.0 May project beyond property line, 3202.4 Minimum depth, 1806.0 Level of exit discharge protection, 1006.3.1 Loads, 1606.0 Minimum thickness, 1812.3 Public garages, 408.3.3 Piers, 1815.0 Ratproofing, 1215.0 Piles, 1816.0 through 1824.0

### THE MASSACHUSETTS STATE BUILDING CODE

Ratproofing, 1215.1 Steel grillage, 1809.0 Walls, 1812.0

Wood and timber, 1808.0

Frame construction, wood

General requirements, 2303.0, 2305.0, 2306.0

Frost protection

Depth of footings, 1806.2

### G

### Garages

Beneath a dwelling, 407.3

Construction of public garages, 408.3

Definition, 202.0 Fire doors, 407.6

Open Parking structures, 406.0

Private, 407.0 Public, 408.0

Separations, 407.3, 407.4, 407.7 Storage of flammables, 408.4, 408.5

Ventilation, 408.5

Handrails, 2406.0 Impact loads, 2405.1 In fire doors, 718.0, 719.2

Jalousies, 2402.5 Labeling, 2402.1

Plastic (see Light-transmitting plastics) Protected openings, 718.0, 719.0

Racquetball and squash courts, 2407.0

Safety, 2405.0, 3603.20.4

Skylights, 2404.0 Sloped, 2404.0 Supports, 2402.2

Unsupported edges, 2402.3 Veneer, structural, 1405.7 Wind loads, 1611.0, 2403.1

Wired glass, 719.0

Glazed masonry units, 2105.2

Glazing (see Glass and glazing)

Glued-laminated lumber construction, 2313.1

Garages, private

Connected to dwelling, 407.3, 407.4, 407.7, 3603.5

Definition, 202.0

Use Group U, utility and miscellaneous, 312.0

Garages, public

Construction limited, 408.3

Definition, 202.0

Fire suppression system required, 408.3.1

Use Group S-1, storage, 311.0 Ventilation required, 408.5

Gardens, roof, 1008.3

#### Gas

Hazardous, 307.0, 417.0, 418.1

Glass and glazing

Area required for natural light, 1206.2, 1208.2

Atrium enclosure, 404.5 Block reinforcement, 2115.4 Block walls, 2105.5, 2115.0 Dimensional tolerances, 2402.4

Doors, 2405.2 Fire windows, 718.0 Greenhouses, 2404.4 Guards, 2406.0

Grade

Definition, 202.0

Depth of footings and foundations below, 1806.0, 1808.0, 1810.0, 1812.0

Grading a lot, 3310.4

Grain processing and storage, 418.3.1

Grandstands, 1002.1, 1013.0

Greenhouses

Glazing, 2404.4

Membrane structure materials, 3103.3.2

Grounding

Metal veneer, 1405.4.3

Radio and television antennas, 3109.3 Radio and television towers, 3108.5

Group homes

### **INDEX**

Use Group 1-1, institutional, 308.0 Hardware on exit doors, 1017.4 Grout (also see Mortar), 2105.0 Hazardous uses Guards General, 416.0, 417.0, 418.0 High-hazard, 307.0 Balconies, 1005.5 Low-hazard, 311.1 General, 1021.0, 3603.14.2 Glass in, 2406.0 Moderate-hazard, 311.2 Open parking structures, 406.5 Production materials (HPM), 416.0 Retaining walls, 1825.5 Prohibited locations, 313.2 Stairways, 1014.7 Storage segregation, 417.0 Structural design, 1615.5, 1615.8 Wheel 406.6, 408.3.2 Headroom Ceiling heights, 1204.1 Gutters Ramps, 1016.2.2 For roof, 3203.11.3 Stairways, 1014.4 Materials, 1406.0 Hearth for fireplace, 2114.5, 3610.4.5, 3610.5.1 Gypsum Heated space, definition, 202.0 Construction, 2504.0 Gypsum board Heating systems Installation, 2503.3 Fireplaces, 2114.0 Gas-fired equipment, 2801.2 Materials, 2503.0 Standards. 2503.2, 3607.2.3 General requirements, 2801.0 Heavy timber construction, 605.0, 2306.1 H Height Awnings, 3203.9, 3203.10 H, use group, high-hazard, 307.0 Buildings (see Height, buildings) Ceiling, 1204.1, 3603.8 Habitable space Guards, 1021.2 Definition, 202.0 Handrails, 1022.2.2 Marquees, 3203.11.1 Halogenated extinguishing systems, 912.0 Masonry veneers, 1405.5.1 Parapet walls, 705.6 Handicapped and aged. requirements for, Chapter 11, Permissible street projections, 3203.0 3006.3 Stairway, maximum vertical rise, 1014.5 Towers, spires, cupolas, aerial supports, poles, etc., Handrails 1510.0 Details, 1022.2 General, 1022.0, 3603.14 Height, buildings Grandstands and bleachers, 1022.0 Airport traffic control towers, 414.0 Ramped aisles, 1012.5 Allowable, 503.0, Table 503 Ramps, 1016.5, 1022.2 Alterations for existing buildings, 3403.1, 3404.4 Retaining walls, 1825.5 Covered mall buildings, 402.1, 402.7 Stairways, 1014.7, 1022.2 Day care centers, 504.4 Structural design, 1615.5

Definition, 202.0

# 780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS THE MASSACHUSETTS STATE BUILDING CODE

High-rise, 403.1, 403.3.3.1 HPM facilities, 416.3 Membrane structures, 3103.3.5 Modifications, 504.0 Open parking structures, 406.4 Restrictions, 503.3, 507.1 Special industrial uses, 503.1.1 Unlimited area buildings. 507.0

### **INDEX**

High-hazard

Accessory areas to, 302.1.2.1

Application of flammable finishes, 419.0

Classification, 302.1.2.1

Control areas, 307.8, 417.2

Definition, 307.2

Exceptions, 307.8

Exempt quantities, 307.8, Table 307.8(1), Table

307.8(2)

Explosion control, 417.5.1

Flammable and combustible liquids, 418.3.2

Hazardous materials, 417.0

Liquefied petroleum gas distribution facilities, 418.3.3

Multiple hazards, 307.7

Outside storage, dispensing and utilization, 417.6

Unlimited area structures, 507.1, 507.1.2

Use group requirements, 417.0, 418.0

Use group structure height exemption, 504.5

Use groups, 307.0

High-rise buildings

Alarm and communication systems, 403.5, 403.6

Applicability, 403.1

Automatic sprinkler system, 403.2, 403.3

Central control station, 403.7

Elevators, 403.8

Emergency systems, 403.9

Exits in, 403.10

Maintenance and inspection, 901.4

Seismic consideration in, 1612 6

Smoke detection systems, 403.4

Historic buildings and districts, 3409.0

Homes for aged

Use Group 1-1, institutional, 308.2

Horizontal exits

Definition (See Means of egress), 202.0

General requirements, 1019.0

Hospitals

Use Group 1-2, institutional, 308.3

Hotels

Definition (see Dwellings), 202.0

Use Group R-1, residential, 310.3

House, lodging

Use Group R, residential, 310.0

HPM use facilities, 416.0

Hydrants, fire yard systems, 916.1

Ι

I, use group, institutional, 308.0

Identification for plastics, 2601.4

Identification for signs, 3102.4.5

Illuminated signs, 3102.13

Industrial

Use Group F, factory and industrial, 306.0

Industrial heating appliances, classification, 2801.2.1

Infirmaries

Use Group 1-2, institutional, 308.3

Inner court

Definition (see Courts), 202.0

Insane asylums

Use Group 1-3, institutional, 308.0

Inspection

By code official, 105.4, 106.4, 115.0

Final, 115.5

Of electrical wiring, 2704.0

Of existing buildings, 106.4

Of heating systems, 2804.0

Of prefabricated construction, 113 2.2

Of signs, 3102.5.4

Of unsafe buildings, 121.0

Required preliminary, 115.1, 115.2

Special, 202.0, 1705.0

Insulation

Fiberboards for roof, 2309.3

Fiberboards for wall. 2309.4

Foam plastics, 803.3.1, 2603.0

Thermal insulating materials, requirements, 722.0

Interior environmental requirements, Chapter 12

# 780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS THE MASSACHUSETTS STATE BUILDING CODE

```
Interior finish and trim
  Application of, 804.0
  Classification of materials, 803.2, 803.4
  Decorative material restrictions, 807.1
  Flame spread of, 803.2, 803.4
  Flameresistance tests, 807.2
  Floor finishes, 805.1, 805.2
  Foam plastics, 803.3.1, 2603.0
  General requirements, 803.0
  Lath, 3607.2.2
  Plaster, 3607.2.2
  Restrictions in Types 1 and 2 buildings, 806.0
  Special amusement buildings, 413.6
  Textile wall coverings, 803.7
  Use group requirements, 803.4, Table 803.4
Interior lot lines
  Definition (See Lot), 202.0
J
Jails
  Use Group 1-3, institutional, 308.4
Jalousies
  Windows and doors, 2402.5
Jurisdiction
  Adopting this code, 101.1
L
Label, definition, 202.0
Labeling, 1703.1.1, 1704.3
Landing of stairs, 1014.3.2, 1014.5
Landings of ramps, 1016.4
Lathing and plastering, 2505.0, 2506.0
Liability, code official, 105.7
Licenses
```

Fees for, 114.0

### **INDEX**

Light, illumination Load (live, dead, floor) Artificial, 1207.0, 3603.6.5 Combination of, 1616.0 Court requirements for, 1212.0 Concentrated, 1613.0 For existing buildings, 3401 0 Craneways, 1614.4 Definition, 202.0 For exit signs, 1023.0 General, 1201.0 Deflections allowable, 1604.5 Natural, 1206.0 Documentation of, 1603.0 Required, 1205.0 Earthquake, 1612.0 Window requirements, 1206.2 Floor loads, occupancy, 1606.1, Table 1606.1 Footings and foundations, 1805.0, 1807.0 Light-transmitting plastics For concrete footings, 1807.0, 1810.0 Approved types, 2604.1 For retaining wall design, 1615.2 Bathroom accessories, 2604.7 Glass (see Load, glass) Connections, 2604.3 Guards, 1615.8 Definition (see Plastics), 202.0 Impact (see Load, impact) Glazing of unprotected openings, 2606.0 Interior finish, 803.7 Light-diffusing systems, 2604.5 Piles, allowable, 1817.0 Partitions, 2604.6 **Railings**, 1615.5 Roof panels, 2607.0 Reductions allowed, 1608.0 Skylights, 2608.0 Roof, 1609.0, 1611.0 Snow, 1610.0, 3603.1.5 Linen chutes, 2807.0 Soil, bearing capacity, 1804.0 Special, 1615.0 Tests, 1604.3 Lintel Fire protection, 715.2 Uniform, 1606.0 Masonry support, 1405.5.2 Wind (see Load, wind) Over openings, frame construction, 2305.11 Load, wind Chimneys, 1611.12 Liquids Flammable and combustible, 307.4, 417.3, 418.3.2 Exterior walls, 1611.0 Liquefied petroleum gases, 307.4, 418.3.3 General requirements, 1611.0 Glass, 2403.1 Load design, 1604 0, 1605.0, 1607.0, 1708.0 Roofs, 1609.0,1611.10, 1611.11 Signs, 1611.12.2 Load earthquake (see Earthquake design) Lobbies and passageways as exits, 1020.0 Load, glass Impact loads, 2405.1 Lodging houses Jalousies, 2402.5 Definition (see Dwellings), 202.0 Wind loads, 2403.1 Use Group R, residential, 310.0 Load, impact Lot Definition, 202.0 Assembly structures, 1614.5 Craneways, 1614.4 Interior lot line, definition (see Lot line), 202.0 Definition, 202.0 Line fences, 3311.1 Regulations for, 3310.4, 3310.5 Elevators, 1614.2 General, 1614.1 Machinery, 1614.3 Lumber (also see Wood construction)

Grade of, 2301.1, 3606.2.2

### THE MASSACHUSETTS STATE BUILDING CODE

 $\mathbf{M}$ 

M, use group, mercantile, 309.0

Maintenance

Of exit facilities, 1028.2

Of fire protection systems, 901.4

Of signs, 3102.5.2

Malls, covered, 402.0

Manlifts, 3000.1

Manual fire alarm systems, 917.5.1

Marquees and canopies

Construction requirements, 3105.0, 3203.11.5, 3205.3

Definition (see Signs), 202.0 Drainage of water, 3203.11.3 Signs, 3102.11, 3203.11

Masonry

Anchorage, 2111.0, 3606.4.10

Attachment, 3607.3.7.2

Reuse of, 2105.6

Solid, definition of, 202.0

Solid units, 2105.1, 2105.2

Stone, cast, 2105.3

Stone, natural, 2105.3

Support on wood, 2113.3

Tests, general, 1701.0

Tile, structural, 2105.2

Veneers, 1405.5.3

Matches

Use Group H, high-hazard, 307.0

Materials

Alternative, 1701.2

Approvals, 1704.0

Used, 1701.3

Matters not provided for, 102.3

Means of egress

Aisles and aisle accessways, 1012.0

Arrangement, 1006.2

Bonding, 2110.0, 2111.2.1

Brick, 2105.0

Cavity wall, 3606.6

Chases and recesses, 2113.1

Concrete units, 2105.1

Construction requirements, 2112.0

Corbeled and protected, 2112.2

Cornices, 2112.2.1

Definition, 202.0

Design, 2101.1.1, 2101.1.2

Fireplaces, 2114.0

Footings, 1811.0

Foundations, 1812.3.2

Freezing protection, 2112.3

General, 3606.4.1

Glass block, 2115.0

Glazed units, 2105.2

Grouted, 3606.7

Hollow, definition of, 202.0

Hollow units, 2105.1, 3606.5.1.2.2, 3606.7

Lateral bracing, 2106.0, 2108.0

Lintels, 2113 2

Minimum thickness, 2109..1.1

Mortar, 2105.7

Reinforced, 2101.1.1, 3606.7.3

Buildings with one exit, 1010.3, Table 1010.3

Capacity, 1009.0

Corridors, 1011.0

Corridors and passageways, required width for, 1011.3,

1012.0

Definition, 202.0

Doors, revolving, 1018.0

Doorways, 1011.4.2, 1014.8, 1017.0, 1018.0, 1019.2.1

Elevator and escalator restrictions, 1006.6

Exit signs, 1023.0

Exterior exit stairways, 1014.12

Fire escapes, 1025.0

From places of assembly, 1006.2.2

General provisions, 1001.0

Hardware, 1017.4

Hazards to, 1005.0

Horizontal exits, 1019.0

Interior exit stairways, 1014.0

Length of travel, 1006.5

Level of exit discharge passageways and lobbies, 1020.0

Lighting, 1024.0

Location and type of, 1006.0

Maintenance of exits, 1028.0

### **INDEX**

Number of exits required, 1010.0 Occupant load, 1008.0 Opening protectives, 1011.4 Passageways and corridors. 1011.0 Prohibited use, 1005.0 Ramps, 1016.0 Slidescapes, 1026.0 Smokeproof enclosure, 1015.0 Spiral stairways, 1014.6.4 Stairway, construction, 1014.9 Through adjoining spaces, 1006.2.1 To roof, 1027.0

### Mechanical ventilation (see Ventilation)

Membrane structures Definition, 202.0 General, 3103.1

### Metal siding

Corrosion protection, 1405.3.8 Thickness, 1403.3

#### Mezzanines

Definition, 202.0 General, 505.0

### Miscellaneous buildings

Use Group U, utility and miscellaneous, 312.0

Miscellaneous signs, 3102.0

Mixed uses, 313.0

Mobile units, requirements, 420.0

Modification of code provisions By board of appeals, 122.0

Of area, 506.0 Of height, 504.0 Variations, 105.6, 106.2, 106.4 Written, 106.2.1 Mortar, 2105.7, 2112.0

Motion picture film storage, 411.1

Motion picture projection and screening rooms, 411.0

Motion picture screening rooms, 411.6

Motion picture studios, 411.7

Moved structures, 3407.0

Multiple dwelling

Definition (see Dwellings), 202.0 Use Group R-2, residential, 310.0

### N

### Nails

Fastening schedule, 2305.2, Table 2305.2

New materials or methods of construction

Alternative materials and methods of construction, 106.4, 1701.0

Board of adjustments and appeals, 121.1

Noncombustible construction

Definition, 202.0 General, 603.0

Noncombustible material (see Definitions), 202.0, 704.4.1.1

### Notices

Board of appeals meeting, 121.3 Of violations, 116.1 Of work starting, 108.9 Posting occupancy load, 1003.2, 1003.3 Posting permits, 108.8 Stop work order, 117.0 Unsafe buildings,119.3,119.4,120.1

### $\mathbf{0}$

### Occupancy

Certificate of, 120.0 Change in occupancy, 3405.0 Covered by code, 102.0 Definition, 202.0

### Occupant load

Allowances, 1008.0, Table 1008.1.2

# 780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS THE MASSACHUSETTS STATE BUILDING CODE

Definition, 202.0 Maximum, 1008.1.5 Posted, 1003.3

### **INDEX**

Occupiable room, definition, 202.0 Panic hardware, on exit doors, 1017.4 Office buildings Use Group B, business, 304.0 Parapet wall, 705.6, 707.5 Oil storage, 2801.2 Parking structure, open (see Open parking structures) Particleboard Open parking structures Height and area, 406.4 Definition, 202.0 Protective railings, 406.5 Requirements, 2308.0, 3606.11 Type of construction permitted, 406.2 Use Group S-2, storage, low-hazard, 311.0 Party walls Wheel guards required, 406.6 Affected by excavations, 3310.0 Construction of, 707.0 **Openings** Continuity, 707.5 Exterior opening protectives, 706.0 Definition (see Walls), 202.0 Horizontal protection, 705.3 Parapets required, 707.5 In fire partitions, 711.0 Size and construction of openings, 708.2 In floors, 713.3 In shaft enclosure walls, 710.3.1 Passageways Corridors, 1011.0 On or near exterior stairways, 1014.12.2 Protected with fire doors or windows, 704.3 Horizontal exits, 1019.0 Vertical protection, 705.5 Lobbies as exits, 1020.3 Obstructions prohibited, 1028.1 Ordinary repairs, 3401.2 Pedestrian walkways, 3106.0 Oriel window Definition, 202.0 Penalties and violations, provided by code, 118.0 Materials, 3203.2 Penthouse Owner Definition, 202.0 Definition, 202.0 General requirements, 1510.3 Responsibility, 1401.2 **Permits** Action on applications, 111.1 P Amendments to, 110.14 Application for, 110.4, 110.13, 110.14 Approval in part, 110.2.2 **Paint** Awnings, 3205.1 Of formed steel, 2206.4 Conditions of, 111.0 Of structural steel, 2203.5 Definition, 202.0 Spraying and spray booths, 419.0 Electrical, Chapter 27 Storage, 419.2.3 Examination of drawings, 108.5 Expiration, 110.14 Panel walls Fees, 114.0 Glass block, 2115.0 For awnings and canopies, 3205.1 Thickness, 1404.6 Issued upon affidavits, 110.12 Posting of, 111.14 **Panels** 

Records to be kept 106.6, 106.7

Stressed skin, 2313.2

### THE MASSACHUSETTS STATE BUILDING CODE

Required, 107.1 Revoked, 111.12 Signs, 3102.4 Suspension of, 108.2 Temporary, 110.2.1 Time limitation, 110.14 To demolish buildings 112.0 To move buildings, 3407.0 Validity, 103.0 Valuations, 112.0

### Petroleum storage

Flammable and combustible liquids, 417.0, 418.0 Liquefied petroleum gases, 418.3.3

### Piers

Isolated masonry, 2110.0

### Piles

Cast-in-place concrete, 1820.0 Composite, 1823.0 Foundations, 1816.0 Loads allowable, 1817.0 Precast concrete,1821.0 Special, 1824.0 Steel pipe and tubular, 1819.0 Structural steel, 1818.0 Timber, 1822.0

### Pipe

Columns, concrete-filled, 1912.0 Piles, 1819.0

### Plans and specifications

Approval of, 108.5 Changes in, 107.1 Required, 107.5, 107.6

### Plastering and lathing

Application, interior, 2505.1
Exterior, 3607.3.6
Fireresistance requirements, 721.0
General requirements, 2505.0, 2506.0
Gypsum plaster, 2505.0
Interior lathing and gypsum plastering, 2505.0, 3607.2.2
Materials, 2505.0
Portland cement stucco, 2506.0

### **INDEX**

**Plastics** 

Approval for use, 2601.3 Approved, 2601.2

Bathroom accessories, 2604.7

Definition, 202.0

Design and installation, 2604.0

Fastenings, 2604.0 Foam, 803 3.1, 2603.0

Glazing of unprotected openings, 2606.0

Interior finish and trim, 803.0 Light-diffusing systems, 2604.5

Of signs, 3102.6.4 2 Partitions, 2604.6 Roof panels, 2607.0 Scope and use, 2601.1 Skylights, 2608.0

Structural requirements, 2604.2

Thermoplastics, definition, 202.0, 2604.1 Thermosetting, definition, 202.0, 2604.1

Veneer, 2605.1

Wall panels exterior, 2605.1

**Platforms** 

Construction of, 412.4 Fire suppression, 412.6

Plenums, 1005.7, 2805.0

Plot plan, required, 110.10

Plumbing

Certificate of approval, 2904.3

Existing, 2908.0 Permits, 2904.0

Plans and specifications, 2902.0, 2904.1, 2904.2

Sewer and water supply data, 3404.0

Violations, 2904.5

Water supply systems, 2905.0

Plywood, 2307.0, 3607.3.3, 3606.10

Portable signs, 3102.14

Positive heat supply, definition, 202.0

Posting

Occupant load, 1003.3 Permits, 111.14 Unsafe building, 121.0 Projecting signs, 3102.10

Projection rooms

Construction of, 411.2 General requirements, 411.0 Ventilation of, 411.3

Projections from buildings

Awnings and canopies, 3203.9, 3205.0

**Projections** 

Balconies and stairs, 3203.8 Bay windows, 3203.7 Below sidewalk, 3202.2 Belt courses, 3203.4 Cornices and eaves, 3203.3

General, 3201.1 In alleys, 3204.0 Marquees, 3203.11

Signs, 119.0, 3102.11, 3202.10 Special and temporary, 3204.0 Street encroachments, 3202.0

Street projections, permissible, 3203.0

Yard and court, 1213.0

Protected construction

Definition, 202.0

Protection against corrosion Formed steel, 2206.4 Structural steel, 2203.5

Protection against dampness Of crawl spaces, 1210.2 Of foundation walls, 1813.0

Protection against decay and termites, 2311.0, 3603.22

Protection during construction During wrecking, 3304.0 Of adjoining property, 3308.0 Of excavation, 3310.0

Protection of exterior openings Of exterior wall, 706.0, 718.0 Of fire wall opening, 708.0

Public assembly

# 780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS THE MASSACHUSETTS STATE BUILDING CODE

Use Group A, assembly, 303.0

Public way, definition, 202.0

Grouted masonry, 3606.7.3 Gypsum concrete, 2504.0 Hollow-unit masonry, 3606.5.1.2.2, 3606.7.4 Masonry, foundation wails, 1812 3.2 Walls, 1812.0

# Q

Qualifications
Of board of appeals, 121.2.1

### R

R, use group, residential, 310.0

Radio antennas and towers, 3108.0, 3109.0

Rafters

Grade of lumber, 3608.2

Railings (see Handrails)

Ramps, 1016.0

Ratproofing, 1215.0

Recesses (see Masonry and Walls)

Records

Of decisions, 121.6 Of departments, 104.7

Recreation buildings

Use Group A, assembly, 303.0

Reductions, live load, 1608.0

Refineries

Use Group H, high-hazard, 307.0

Reformatories

Use Group 1-3, institutional, 308.0

Refuse, chutes, 2807.0

Refuse vaults, 2808.0

Reinforced

Definition, concrete, 202.0

Foundation walls, concrete, 1812.3.1

### **INDEX**

Reinforced concrete (also see Concrete)

Definition (see Concrete), 202.0

Design,1901 1 Footings, 1811.0 Gypsum, 2504.0 Pipes in, 1909.3

Removal

Of buildings and structures, 121.3 Of waste during construction, 3313.0

Repair

Of existing buildings, 107.1.1, 3401.2, 3404.0 Of unsafe buildings or structures, 121.0

Permit not required, 107.1.1

To roofs of existing buildings, 1512.0

Repair shops, motor vehicle

Definition (see Garage, public), 202.0

Public garages, 408.0

Use Group S-1, storage, moderate-hazard, 311.0

Residential buildings

Sound transmission control, 1214.0

Use Group R, 310.0

Restaurants

Use group A-3, assembly, 303.0

Restrictions

Area, 503.2 Height, 503.3 On employees, 104.5 Special occupancy, 401.0

Retail stores

Use Group M, mercantile, 309.0

Retaining wall

Definition (see Walls), 202.0

Design, 1825.2 General, 1825.1 Guardrails for, 1825.5

Reviewing stands, 1013.0

Revocation of permit, 111.12

Revolving doors, 1018.0

Right of entry, 113.4

Risers for stairways (see Stairways)

Roof construction

As required by type of construction, 603.0, 604.0,

605.0, 606.0 Builtup, 3609.7

Cooling towers, 1510.8 Covering, 1503.0, 3609.0

Definition of roof structure, 202.0

Drainage, 3608.1.3

Fireresistance requirements, Table 602

Flashing, 3607.3.8 Loads, 1609.0, 1611.0

Mansard or ordinary construction, 510.5 Of approved plastics, 2604.1, 2607.0

Parapets above, 705.6, 707.5

Ponding 1609.5 Stadiums, 714.2 Wind loads, 1611.0

Wood construction, 2305.15

Roof covering

Classified, 1506.0 General, Chapter 15

Roof signs, 3102.8

Roof structures, 1510.0

Roofing repairs on existing buildings, 1512.0

Room size, 3603.7

Rooming houses

Use Group R, residential, 310.0

Rubbish chutes, 2807.0

Rubble stone foundation walls, 1812.3.4

Rule-making authority

Promulgated by code official, 108.0

Rust protection

For formed steel, 2206.4 For structural steel, 2203.5

### THE MASSACHUSETTS STATE BUILDING CODE

S

S, use group, storage, 311.0

Safe loads on soil, 1804.0

Safeguards during construction, 3301.0

Safety devices for window cleaning, 3110.0

Sanitariums

Use Group 1-2, institutional, 308.0

Scale of plans, 107.5

Schools

Use Group E, educational, 305.0

Scope of code

General 101.0

Screening rooms, motion picture, 411.0

Screens for skylights, 2404.3

Scuttle

Scuttle size and construction, 1510.2

Seating

Aisles and, 1012.0

Folding and telescopic, 1013.0

Seismic (earthquake) design

Concrete, 1903.0, 1904.0

Foundations, 1810.2.1, 1815.2, 1816.3, 1816.11.1,

1818.3, 1819.3.1, 1820.1.2.1, 1820.5.4, 1821.3.5,

1821.3.6, 1824.3

Inspection related to, 1705.3.3.2, 1705.4.5, 1705.9,

1705.10, 1705.11

Loads, 1612.0

Masonry, 2101.2, 2104.0

Soils, 1802.1.1, 1805.2,1805.3

Steel, 2203.2, 2203.2.1, 2204.0, 2206.3, 2207.2.1

Wood, 2305.8, 2305.9, 2306.0

Shaft

Definition, 202.0

General, 710.0

Shall, definition, 202.0

Sheathing

Floor, 2307.3.1, 2307.3.2

General requirements for, 2307.0, 2308.0, 2309.0

Roof, 2305.15.1, 2307.3.1, 2308.4

Subfloor, 2307.3.3

Wall, 2305.13

Shed

Sidewalk, 3304.4

### **INDEX**

Shingles and shakes	General, 2404.0, 3603.20.5
Asphalt shingles, 3609.3	Plastic, 2601.2, 2608.1
Materials, 1507.0	
Metal, 3609.5	Slidescapes, 202.0,1026.0
Slate, 3609.4	•
Tile, clay, or concrete, 3609.6	Smoke detection, 3603.16.3
Wood shakes, 3609.9	
Wood Shakes, 5007.7	Smokeproof enclosure, 202.0, 1015.0
Shutters	Smokeproof enclosure, 202.0, 1013.0
	Snow load 1610 0, 2602 1 5
Shutters on exterior wall openings, 718.0	Snow load 1610.0, 3603.1.5
Sidewalks	Soil
Bridge, 3304.3	Bearing, allowable, 1804.0, 1805.0
Elevated pedestrian walkways, 3106.0	Bearing capacity, 1804.0,1 805.0
	Prepared fill, 1705.9, 1804.3.2
Siding, 3607.3.2	Soils report, 1804.1, 1804.1.1
Minimum material requirements, 1403.3	Tests, 1802.0, 1803.0
	Sound stages, motion picture, 411.0
Signs	Sound transmission control in residential buildings
Alley, 119.2.4	Air-borne noise, 1214.2
Alterations to, 119.0	Scope, 1214.1
Banner and cloth, 3102.12.1	Structure-borne sound, 1214.3
Definition, 202.0	Spans
Design loads, 3102.6, 3102.10.4	Allowable, 3605.2.3, 3608.2.4
Doors, 1017.4.1, 1017.4.1.2	Special fireresistance requirements
Exemptions, 3102.4.3	For grade floor protection, 1006.3.1
Existing, 102.2	For residential buildings, 313.3
Extending over curb prohibited, 3102.10.2	Spray painting
For exits, 1023.0	
·	Booths, 419.2.1
General requirements, 3102.6	Construction requirements for booths, 419.2.1
Ground, 3102.7	Fire protection, 419.3
Identification, 3102.8.3	Rooms 419.2.2
Illuminated, 3102.6.3, 3102.13	Sprinklers (also see Automatic fire suppression systems)
Inspection of, 3102.5.4	Area increase permitted, 506.3
Maintenance, 3102.5.2	Capacity of means of egress, width permitted 1009.0,
Marquee, 3102.11	Table 1009.2
Miscellaneous, 3102.12	General requirements, 901.0, 906.0
Permits for, 3102.4	Length of travel, increase permitted, 1006.5
Plans and specifications, 3102.4	Outside, 706.2
Plastics for, 3102.6.4.2, 2601.2	Where required, 904.1
Pole, 3102.7	Stadiums
Projecting, 3102.2	Roof construction, 714.2
Roof, 3102.8	Use Group A-5, assembly, 303.6
Temporary, 3102.12	Stages
Unsafe, unlawful, 119 0	Construction, 412.3
Wall, 3102.9	Curtain, proscenium, 412.3.6
Wind loads, 1611.0,3102.6.1	Definition, 412.2
vv 1110 10aus, 1011.0,5102.0.1	·
Cl., 1: _1.4 -	Fire suppression, 412.6
Skylights	Proscenium wall, 412.3.5

### THE MASSACHUSETTS STATE BUILDING CODE

Rooms, accessory, 412.5

Standpipes, 412.7

Ventilation of, 412.3.8

### Stairways

Access to roof, 1027.0

Circular, 3603.13.6

Definition, 202.0

Door to stairway, 1014.8

Enclosures, exterior, 1014.12.2

Enclosures, interior, 1014.11

Exterior, 1014.12

Fire escapes, 1025.0

Guardrails, 1014.7, 1021.0

Handrails, 1014.7, 1022.0

Headroom clearance, 1014.4, 3603.13.3

Illumination, 3603.13.7

Landings, width, 1014.3.2,1014.5

Means of egress, 1010.2,1014.0

Means of egress lighting, 1024.0

Rise between landings, 1014.5

Slidescapes, 1026.0

Spiral, 1014.6.4, 3603.13.5

Treads and risers, 1014.1.1,1014.6, 3603.13.2

Width, 1014.3, 3603.13.1

Winders, 1014.6.3, 3603.13.4

Standards, referenced, which governs, 101.6, 102.4

Standby power systems, 2707.0

### Standpipes

Definition, 202.0

During construction, 3305.3

Water supply, 914.0

Where required, 914.0

Starting work

Notice to building official, 108.9

**INDEX** 

Steel, construction Definition, 202.0 Cast-iron construction, 2209.0 Unsafe, 121.0 Cast-steel construction, 2208.0 Definition, 202.0 Stucco, 2506.0 Fire escapes, 1025.0 Grillages in footings, 1809.0 Swimming pools Definition, 421.2 Joists, open-web construction, 2205.0 Light gage and formed steel construction, 2206.0 Design and construction, 421.5 Painting, 2203.5 Hot tub, 421.2, 421.10 Reinforcing, 2105.9.3, 2105.9.4, 2208.0 Permit and plans, 421.3 Special steel, 2207.0 Safety precaution, 421.9, 421.10 Structural, 2203.0 Spa, 421.2, 421.10 Water supply treatment and drainage system, 421.6 Steel pipes Concrete-filled, 1819.1, 1819.5 T Stone Cast, 2105.3 Tanks Foundation walls, 1812.3.4 Storage of flammable liquids, 418.3.2 Natural, 2105.3 Storage of liquefied petroleum gas, 418.3.3 Veneer, 1405.5.6 Telescopic seating, 1013.0 Stop work orders, 119.0 Television antennas and towers, 3108.0, 3109.0 Storage Of combustible dusts, grain processing and storage, Temporary 418.3.1 Buildings or structures, 110.2, 3104.0 Of flammable liquids, 418.3.2 Electrical use, 2705.0 Of liquefied petroleum gas, 418.3.3 Occupancy, 120.3 Use Group S, storage, 311.0 Permits, 111.0 Safeguards, 120.1 Story above grade, definition, 202.0 Signs, 3102.12 Stairs, 3314.1 Street Termination of approval for temporary buildings, Definition, 202.0 110.2.3 Encroachments, 3202.0 Permissible projections, 3203.0 Tents, air-supported structures, requirements, 3104.0 Structural clay tile, 2105.2 Termite protection Approved pressure preservative treatment of wood, Structural glass block, 2115.1 2311.0 Structural panels, wood, Chapter 23 Tests Fireresistance, 704.1.1 Structural requirements for plastics, 2604.2 Flameresistance, 802.0 General, Chapter 17 Structural steel (see Steel, construction) New materials and devices, 1701.2 Of construction equipment, 3303.0

Structure

Of fire protection systems, Chapter 9

### THE MASSACHUSETTS STATE BUILDING CODE

Pile capacity, 1817.0 Prefabricated construction, 1703.3 Procedure for soil, 1803.3 Soil bearing values, 1804.0 Structural steel unit, 2203.0 Ties veneer, 3607.3.7.2.1

### Theaters

Aisles, 1012.0 Use Group A-1, assembly, 303.2

Thermal insulating materials, 722.0

Thermoplastics, accepted, 2604.0, 2606.3

Thermosetting plastics, accepted. 2604.0

### **Towers**

Cooling, 1510.8 Radio and television, requirements, 3108.0 Wind, loads, 1611.0, 3108 4

Travel, length of, to exits, 1006 5

Treads, stairs, 3402.2

Trim, exterior, 1406.0

Trim, interior (see Interior finish and trim)

### Trusses

Individual encasement, 714.1 Roof slabs and arches, 714.4 Roofs, 20 feet or higher, 714.3 Wood construction, 2305.14, 2305.15, 3605.2.10, 3608.2.11

Tunnel flame spread test, 1702 4.1

# Types of construction

Type 1, noncombustible, 603.0 Type 2, noncombustible, 603.0

Type 3, noncombustible/combustible, 604.0

Type 4, heavy timber, 605.0

Type 5, combustible, 606.0

### **INDEX**

For existing buildings, 3400.6 U Garages, 408.5 General requirements, 1201.0 U, use group, utility and miscellaneous, 312.0 Mechanical, 1209.0 Motion picture projection rooms, 411.3 Underground structures, 405.0 Natural, 1208.0 Roof, 3608.6 Underpinning, 3309.3 Windows, 1208.2 Unfired pressure vessels, 2801.2 Vertical openings Conveyor openings, 3009.1 Unlimited area, buildings, 507.0 Enclosures, 710.4, 710.5 Unsafe structures, 121.0 Violations and penalties Unusable space, 713.1.2 Abatements, 118.5 Notice of, 118.6 Use Group Penalties, 118.4 Doubtful classification, 302.1 Stop work, 119.0 Classification, 302.0 Unsafe building 121.0 Mixed use classification, 313.0 Utilities public, discontinuance of  $\mathbf{W}$ In demolition of structures, 112.0 Walkways, pedestrian, 3106.0  $\mathbf{V}$ Wall signs, 3102.9 Validity Wallboard (also see Sheathing) Of code, 104.0 Fiberboard, 2309.0 For frame construction, 2305.13 Vapor retarder, 722.3.1, 1403.3 Gypsum, 2503.0, 3607.2.3 Hardboard, 1403.3 Vaults, refuse, 2808.0 Particleboard, 2308.0 Wood structural panel, 2307.0 Veneers Height of, for frame buildings, 1405.5.1 Walls (also see Masonry) Masonry, 1405.5, 1405.6, 3607.3.7 Basement, 3604.4 Metal, 1405.4 Bearing, chases and recesses in, 2113.1 Plastic, 1404.6 Bearing, lateral bracing of, 2108.2 Stone and tile, 1405.5.6 Bearing, wood frame construction, 2305.4 Structural glass, 1405.7 Bonding of, 2110.0, 2111.0 Wall facings and, 1403.3 Bracing, 3606.2.9 Weather resistance, 1403.3, 3607.3.2 Concrete masonry units, 2105.1 Construction, 3606.2.3 Ventilation Corbeled and projecting masonry, 2112.2 Attics, 1210.1 Definition, 202.0 Court requirements for, 1212.0 Deflection, 3607.3 Crawl space, 1210.2 Design for wind on vertical surfaces, 1611.0

Definition, 202.0

### THE MASSACHUSETTS STATE BUILDING CODE

Ducts in fireresistance rated walls, 717.0

Enclosures for theater stages, 412.2

Exterior protection, 3607.3

Fire and party, 707.0

Fire partitions, 711.0

Fire separation, 709.0

Fire wall openings, 708.0

Fireplace, 3610.4.3

Foundation walls, 1812.0

Glass block, 2115.0

Hollow, 2105.1, 2105.2

Hollow panels, thickness of, 1404.6

Masonry wall construction, 2113.1

Panel, 1404.6

Parapet, 705.6, 707.5

Penthouse, 1510.3

Plain concrete, 1901.2

Proscenium, 412.3.5

Protection of exterior openings in, 706.0

Reinforced concrete, 1901.1, 1910.0

Reinforced concrete walls, 1812.3.1

Retaining, 1825.0

Roof structure, 1510.0

Shaft enclosure, 710.3.1

Smoke barriers, 712.0

Stone foundation, 1812.3.4

Thickness of panel, 1404.6

Veneers, glass, 1405.7

Veneers, metal, 1405.4

Veneers, plastic, 2605.0

Veneers thickness of, 1403.3

Veneers thin and tile, 1405.5.6

### Warehouse

Use Group S, storage, 311.0

Waste chutes, 2807.0

Waste to be removed, 3313.0

### Water

Supply, definition, 202.0

Supply for plumbing, 2905.0

Tanks, 1510.7

Waterproofing of exterior structural elements, 1813.0

Waterproofing of foundation walls, 1813.4.2, 3604.6

### **INDEX**

Framing around flues and chimneys, 2304.11 Welding Heavy timber construction, 2304.0 Inspection, 1705.3.3.2 Nailing, 1405.3 7, 2305.2 Nonbearing walls, 2305.5 Width Piles, 1822.0 Aisles, 1012.0 Plywood, 2307.0 Lobbies used as an exit element, 1020.3 Prefabricated 1-joists, 2313.5 Means of egress doors, 1017.3 Protection near grade, 2311.4 Stair exit doors, 1014.8.1 Roof-ceiling, 3608.2 Units of exit width, 1009.1 Roof sheathing, 2305.15.1, 2307.3.1 Shear walls, 2502.0 Wind load design Zoning Sheathing lath, 2305.13.2 Shingles and shakes, 1506.3, 1507.2.8, 1507.2.9, Buildings, 1611.0 Definition, 202.0, see Load 3609.8, 3609.9 Glass, 2403.1 Spans for plywood sheathing, 2307.3 Radio and television towers. 3108.4 Stressed skin panels, 2313.2 Structural glued-laminated timber, 2313.1 Signs, 1611.12, 3102.6.1 Structural members, 2303.0 Structural panels, 2307.0 Winders, 1014.6.3 Stud spacing, 2307.3.5 Subfloors, 2307.3.3 Trusses, 3605.2.10, 3608.2.11 Windows Veneer, height of, 1405.5.1 Bay, 1406.5 Cleaning safeguards, 3110.0 Veneer, masonry, 1405 5 Dormer, t 510.6 Veneer, metal, 1405 4 Wall sheathing, 2305.13, 3606.2 Fire, 718.0 Fireresistive design, 718.1 Weatherboarding, exterior, 1403.3 Glass area required, 1206.2,1208.2 Required for light and ventilation, 1205.0 Work Start, 111.15 Wired glass Stop order, 119.0 In fireresistive doors and windows, 719.0 Workmanship, 117.0 Wood construction Bearing walls, 2305.4 Written notice Bracing, 2305.7 Definition, 202.0 Bridging, 2305.14.2 Cambering, 2301.1 Cornices, 1406.2.2  $\mathbf{Y}$ Cutting and notching, 2305.3 Designated type of, 606.1 Yard Fiberboards, 2309.0 Definition, 202.0 Fireretardant-treated, 707.5.2, 2310.0 Obstruction of, 1213.0 Flashing, 1405 3.10 Permissible encroachments, 1213.2 Floor sheathing, 2307.3.1 Floors, 3605.2 Yard system fire mains, 916.0

Foundation anchorage, 2305.16

Foundation, general, 1812.0, 3604.4.3, 3604.5.2